

# AstroVision

## AVSAT-1 High Resolution Full Color Imagery

### *PHASE II – Data Specifications*

**LOCATION (Area of Interest):** Central and Southeastern United States

**TIMEFRAME:** Coverage to include 5 months of complete storm season within a year from the satellite operational date, at the discretion of NASA.

Description	Specification
Acquisition Origin	Approx. 90 degrees West longitude
Maximum Image Scene Size	1000 km by 1000 km
Recorded Image Acquisition	8 bits per pixel
Maximum Spatial Resolution at Nadir	7 km and 600 meters per pixel
Observable Feature/Event	Tornados and Thunderstorm Cells
Minimum Observable Pixel Movement	8 pixels per minute
Minimum Spatial Scale of Coverage	15 km
Image Format (color)	RGB Color (0.4 to 0.8μ )
Standard Temporal Acquisition Rate	4-6 frames per minute
Maximum Temporal Data Acquisition Rate	10-15 frames per minute
User-Tasking Event Selection Option	Camera re-pointing capability

